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APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
11/650,568	01/08/2007	Anurag Mittal	550-899

23117
 NIXON & VANDERHYE, PC
 901 NORTH GLEBE ROAD, 11TH FLOOR
 ARLINGTON, VA 22203

CONFIRMATION NO. 8052
FORMALITIES
LETTER

Date Mailed: 02/07/2007

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.
Applicant must submit \$ 300 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing-fee (37 CFR 1.27).
- The oath or declaration is missing. *A properly signed oath or declaration in compliance with 37 CFR 1.63, identifying the application by the above Application Number and Filing Date, is required.*
Note: If a petition under 37 CFR 1.47 is being filed, an oath or declaration in compliance with 37 CFR 1.63 signed by all available joint inventors, or if no inventor is available by a party with sufficient proprietary interest, is required.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of **\$650** as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.16(f) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$1780** for a non-small entity

- **\$300** Statutory basic filing fee.
- **\$130** Surcharge.

- The application search fee has not been paid. Applicant must submit **\$500** to complete the search fee.
- The application examination fee has not been paid. Applicant must submit **\$200** to complete the examination fee for a non-small entity.

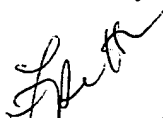
- Total additional claim fee(s) for this application is **\$650**
 - **\$650** for **13** total claims over 20.

Replies should be mailed to: Mail Stop Missing Parts
 Commissioner for Patents
 P.O. Box 1450
 Alexandria VA 22313-1450

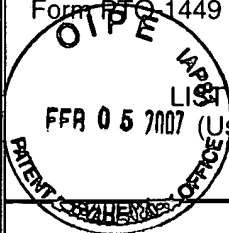
Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.
<https://sportal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at **1-866-217-9197** or visit our website at <http://www.uspto.gov/ebc>.

If you are not using EFS-Web to submit your reply, you must include a copy of this notice.



Office of Initial Patent Examination (571) 272-4000, or 1-800-PTO-9199, or 1-800-972-6382
PART 3 - OFFICE COPY

Form PTO 1449 		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. PC3-317		SERIAL NO. 10/587,323	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT: Janet Boggs et al.			
				FILING DATE July 26, 2006		GROUP Unknown	
U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	1,092,141	11/67	Daikin et al.			
	AB	2,559,749	07/51	Benning			
	AC	2,567,011	09/51	Diesslin et al.			
	AD	2,597,702	05/52	Benning			
	AE	2,995,542	08/61	Brown			
	AF	3,083,224	03/63	Brace et al.			
	AG	3,096,207	07/63	Cohen			
	AH	3,112,241	11/63	Mackenzie			
	AI	3,145,222	08/64	Brace			
	AJ	3,172,910	03/65	Brace			
	AK	3,194,840	07/65	Berry			
	AL	3,238,235	03/66	Hauptschein et al.			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	AM	EP 765676	04/97	Europe (abstract)			X
	AN	DE 2120868	11/71	Germany (abstract)			X
	AO	DE 2239709	02/73	Germany (abstract)			X
	AP	DE 2247111	04/74	Germany (abstract)			X
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AQ	Sawada, Hideo: "Novel Self-Assembled Molecular Aggregates Formed by Fluoroalkyl End-Capped Oligomers and Their Application" <i>Journal of Fluorine Chemistry</i> 121 (2003), pgs. 111-130					
EXAMINER				DATE CONSIDERED			
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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	3,256,231	06/66	Johnson, Jr. et al.			
	AB	3,282,905	11/66	Fasick et al.			
	AC	3,304,278	02/67	Hauptschein et al.			
	AD	3,351,643	11/67	Hauptschein et al.			
	AE	3,351,644	11/67	Hauptschein et al.			
	AF	3,450,755	06/69	Ahlbrecht			
	AG	3,457,247	07/69	Katsushima et al.			
	AH	3,458,571	07/69	Tokoli			
	AI	3,475,333	10/69	Meldrum et al.			
	AJ	3,491,169	01/70	Raynolds et al.			
	AK	3,497,575	02/70	Kleiner et al.			
	AL	3,498,958	03/70	Ray-Chaudhuri et al.			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	AM	DE 2247182	04/74	Germany (abstract)			X
	AN	GB 2 070 595	02/80	United Kingdom			X
	AO	GB 2 018 759	04/78	United Kingdom			X
	AP	JP 04272986	09/92	Japan (abstract)			X
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AQ	Sawada, et al.; "Synthesis and Surfactant Properties of Fluoroalkylated Sulfonic Acid Oligomers as a New Class of Human Immunodeficiency Virus Inhibitors", <i>Journal of Fluorine Chemistry</i> 79 (1996), pgs. 149-155					
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	AA	3,514,420	05/70	Katsushima et al.				
	AB	3,532,659	10/70	Hager et al.				
	AC	3,536,749	10/70	Groves				
	AD	3,544,663	12/70	Hauptschein et al.				
	AE	3,574,518	04/71	Detomaso				
	AF	3,575,940	04/71	Katsushima et al.				
	AG	3,623,963	11/71	Voss et al.				
	AH	3,636,085	01/72	Kleiner				
	AI	3,721,706	03/73	Hoffman et al.				
	AJ	3,752,783	08/73	Iwantani				
	AK	3,759,981	09/73	Hager et al.				
	AL	3,816,277	06/74	Haszeldine et al.				
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AM	JP 04272987	09/92	Japan (abstract)			X	
	AN	JP 43020466	09/68	Japan (abstract)			X	
	AO	JP 44001216	01/69	Japan (abstract)			X	
	AP	JP 48023684	03/73	Japan (abstract)			X	
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	Krafft, et al.; "Highly fluorinated amphiphiles and colloidal systems...."; Biochimie 1998; 1 page; (Database 1998:620482 CAPLUS)						
	AR	Nivet et al; "Synthesis and bioacceptability of fluorinated...."; European Journal of Medicinal Chemistry, 1992; 1 page; (Database 1993:408334 CAPLUS)						
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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
	AA	3,824,126	07/74	Katsushima et al.				
	AB	3,839,425	10/74	Bartlett				
	AC	3,883,596	05/75	Hager et al.				
	AD	3,899,484	08/75	Walter				
	AE	3,906,049	09/75	Hager et al.				
	AF	3,907,576	09/75	Dear et al.				
	AG	3,919,361	11/75	Katsushima et al.				
	AH	3,933,819	01/76	Toukan et al.				
	AI	3,957,657	05/76	Chiesa, Jr.				
	AJ	4,000,188	12/76	Dear et al.				
	AK	4,043,923	08/77	Loudas				
	AL							
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AM	JP 49040040	10/74	Japan (abstract)			X	
	AN	JP 53081799	07/78	Japan (abstract)			X	
	AO	JP 55071779	05/80	Japan (abstract)			X	
	AP	JP 56122336	09/81	Japan (abstract)			X	
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ	Sawada et al.; "Synthesis and properties of...."; European Polymer Journal, 1999, 1 page; (Database 1999:411635 CAPLUS)						
	AR	Nivet et al.; "Evaluation of a series of...."; Journal of Dispersion Science and Technology, 1992 ; 1 page; (Database 1993:66807 CAPLUS)						
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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	AA	4,060,132	11/77	Chiesa Jr.			
	AB	4,060,489	11/77	Chiesa Jr.			
	AC	4,081,399	03/78	Dear et al.			
	AD	4,089,804	05/78	Falk			
	AE	4,113,748	09/78	Hager et al.			
	AF	4,126,633	11/78	Toukan et al.			
	AG	4,127,711	11/78	Lore et al.			
	AH	4,134,754	01/79	Hoffman			
	AI	4,145,382	03/79	Hayashi et al.			
	AJ	4,147,851	04/79	Raynolds			
	AK	4,170,636	10/79	Engel et al.			
	AL	4,177,351	12/79	Toukan et al.			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	AM	JP 56169666	12/81	Japan (abstract)			X
	AN	JP 58042682	03/83	Japan (abstract)			X
	AO	JP 58201752	11/83	Japan (abstract)			X
	AP	JP 59059977	04/84	Japan (abstract)			X
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AQ	Nivet et al.; "Synthesis of new ***perfluoroalkylated***...."; New Journal of Chemistry 1994; 1 page; (Database 1995:38527 CAPLUS)					
	AR	Sawada et al.; "Novel fluorinated...."; Nihon Yukagakkaishi, 2000; 1 page; (Database 2000:752279 CAPLUS)					
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	AA	4,188,307	02/80	Bathelt			
	AB	4,192,754	03/80	Marshall et al.			
	AC	4,209,456	06/80	Billenstein et al.			
	AD	4,230,495	10/80	Lee et al.			
	AE	4,254,266	03/81	Toukan et al.			
	AF	4,283,533	08/81	Richter			
	AG	4,303,534	12/81	Hisamoto et al.			
	AH	4,306,979	12/81	Tsuji			
	AI	4,317,859	03/82	Smith			
	AJ	4,351,946	09/82	Toukan et al.			
	AK	4,366,299	12/82	Dessaint			
	AL	4,387,032	06/83	Chiesa, Jr.			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	AM	JP 61069813	04/86	Japan (abstract)			X
	AN	JP 08012536	01/96	Japan (abstract)			X
	AO	JP 08081883	03/96	Japan (abstract)			X
	AP	JP 2000126327	05/00	Japan (abstract)			X
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AQ	Enjalbert et al.; "Synthesis of new cationic and amphoteric triple-chain...."; Research on Chemical Intermediates, 1998; 1 page; (Database 1998:422963 CAPLUS)					
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	AA	4,388,212	06/83	Richter			
	AB	4,419,298	12/83	Falk et al.			
	AC	4,420,434	12/83	Falk			
	AD	4,424,133	01/84	Mulligan			
	AE	4,460,480	07/84	Kleiner et al.			
	AF	4,464,267	08/84	Chiesa, Jr. et al.			
	AG	4,472,286	09/84	Falk			
	AH	4,478,975	10/84	Dessaint et al.			
	AI	4,486,391	12/84	Hashimoto			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	AJ	JP 2000159840	06/00	Japan (abstract)			X
	AK	JP 2003312156	11/03	Japan (abstract)			X
	AL	US2005/003429	01/05	PCT-IPRP/Written Opinion			X
	AM	US05/03429	01/05	PCT-Int'l Search Rpt			X
	AN	US2005/002617	01/05	PCT-IPRP/Written Opinion			X
	AO	US05/02617	01/05	PCT-Int'l Search Rpt			X
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AP	Szonyi et al.; "Synthesis of new amphoteric ... double-chain..."; Rivista Italiana delle Sostanze Grasse, 1998; 1 page; (Database 1998:465664 CAPLUS)					
	AQ	Prescher et al.; "Nitrogen-containing fluorosurfactants"; Tenside, Surfactants, Detergents, 1992; 1 page; (Database 1992:653923 CAPLUS)					
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	AA	4,507,859	04/85	Shinjo			
	AB	4,563,287	01/86	Hisamoto et al.			
	AC	4,591,473	05/86	Lofquist et al.			
	AD	4,600,774	07/86	Koshar			
	AE	4,697,011	09/87	DesMarteau			
	AF	4,717,744	01/88	Boutevin et al.			
	AG	4,720,578	01/88	Liu			
	AH	4,760,205	07/88	Probst et al.			
	AI	4,833,274	05/89	Caporiccio et al.			
	AJ	4,879,324	11/89	Lausberg et al.			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation
							Yes No
	AK	US2005/003433	01/05	PCT-IPRP/Written Opinion			X
	AL	US05/03433	01/05	PCT-Int'l Search Rpt			X
	AM	US2005/003137	01/05	PCT-IPRP/Written Opinion			X
	AN	US05/03137	01/05	PCT-Int'l Search Rpt			X
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)							
	AO	Enjalbert et al.; "Synthesis fo new double-chain cationic...."; Tenside, Surfactants, Detergents, 1998; 1 page; (Database 1992:550675 CAPLUS)					
	AP	Rzhevskii et al.; "Testing of ***surfactants***...."; Tsvetnye Metally (Moscow), 1998; 1 page; (Database 1999:114673 CAPLUS)					
	AQ	Murata et al.; "Selective synthesis of fluorinated ethers...."; The Royal Society of Chemistry, 2002; pps. 60-63					
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	AB	4,983,769	01/91	Bertocchio et al.				
	AC	4,898,981	02/90	Falk et al.				
	AD	5,026,910	06/91	Bollens et al.				
	AE	5,045,634	09/91	Fernandez et al.				
	AF	5,091,550	02/92	Falk et al.				
	AG	5,107,021	04/92	Bollens et al.				
	AH	5,132,445	07/92	Falk et al.				
	AI	5,218,021	06/93	Clark et al.				
	AJ	5,240,990	08/93	Kallfass et al.				
	AK	5,310,870	05/94	Peavy				
	AL	5,391,721	02/95	Hanen et al.				
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AM	US2005/003138	01/05	PCT-IPRP/Written Opinion			X	
	AN	US05/03138	01/05	PCT-Int'l Search Rpt			X	
	AO	7-793	07/95	Japan				x
	AP	2-12681	02/90	Japan				x
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
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	AA	5,395,997	03/97	Van Der Puy, et al.				
	AB	5,439,998	08/95	Lina et al.				
	AC	5,478,486	12/95	Incorvia				
	AD	5,491,261	02/96	Haniff et al.				
	AE	5,508,099	04/96	Incorvia				
	AF	5,534,192	07/96	Incorvia et al.				
	AG	5,539,024	07/96	Kirchmeyer et al.				
	AH	5,547,711	08/96	Kirchmeyer et al.				
	AI	5,629,372	05/97	Anton et al.				
	AJ	5,639,845	06/97	Inomata et al.				
	AK	5,648,527	07/97	Prossel et al.				
	AL	5,648,528	07/97	Prossel et al.				
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	AM	WO 94/18245	08/94	PCT			X	
	AN	WO 98/19742	05/98	PCT			X	
	AO	WO 01/27235 A1	04/01	PCT			X	
	AP							
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	AA	5,674,961	10/97	Fitzgerald				
	AB	5,798,415	08/98	Corpart et al.				
	AC	5,827,919	10/98	May				
	AD	5,847,206	12/98	Pavia et al.				
	AE	5,847,243	12/98	Skiya et al.				
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					Class	Subclass	Translation	
							Yes	No
	AM							
	AN							
	AO							
	AP							
OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)								
	AQ							
EXAMINER					DATE CONSIDERED			
<small>*EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>								

Form PTO-1449		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			ATTY. DOCKET NO. PC3-317		SERIAL NO. 10/587,323	
LIST OF ART CITED BY APPLICANT (Use several sheets if necessary)					APPLICANT: Janet Boggs et al.			
					FILING DATE July 26, 2006		GROUP Unknown	
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Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
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	AT							
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		FILING DATE July 26, 2006	ART GROUP Unknown

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